

nervis dilute fuscis, squamulis fusco-ferrugineis. (Long. corp. 1 lin.; alar. $2\frac{1}{2}$.) Caput thoracis, &c.—(ut antea, descriptionis ulterius his emendatis,)—Oculi pilis raris subtilissimis erectis consiti: abdomen thoracis fere longitudine et latitudine, ovato-orbiculatum subdepressum læve: segmenta dorsii octo, anteriora longitudine subæqualia, posteriora lineari-transversa: primi scutum gracillimum (adhuc gracilius quam *Microgastri laterali*), apice attenuatum, latera membranacea late resecta: sextum ventrale leviter carinatum et apice productum, aculeum subexertum fulciens.

Habitat in Spartis scopario.

Vol. II. p. 252. Sp. 45. Micr. intricatus.^b Vespa, &c.
Ray Ins. 255. 13.

ART. XLIII.—*Characters of some undescribed New Holland Diptera.* By FRANCIS WALKER.

MEGISTOCERA.—*Wiedemann.*

M. dispar. Mas et Fem. Mari *antennæ longissimæ*, fem. *brevissimæ*. Propter femina antennas brevissimas *Magistocera* non benè convenit, at vix genus diversum.

Mas.—Ferruginea, pubescens: oculi nigro-fusci: palpi nigri: antennæ fuscæ, pubescentes, corpore ferè quadruplo longiores; articuli 1^{us}. et 2^{us}. omninò 3^{us}. que basi ferruginei: thorax subtus pallidior: mesothorax vittis supra 3 pallidis: abdomen utrinque fusco fasciatum, apice obscurius: pedes ferruginei, longi, graciles, pubescentes, femora et tibiæ apice tarsique nisi ad basin fusca: alæ hyalinæ, iridescentes, basi et ad costam fusco-flavæ; squamulæ et nervi flava, hi ad apices plerumque fusci: halteres flavi, apice pallidè fusci.

Fem.—*Mari* similis at obscurior, thorax angustior, abdomen longius, pedes breviores, alæ paullò breviores et angustiores: antennæ obscurè fuscæ, capite breviores; articuli 1^{us}. et 2^{us}. ferruginei:

^b In the course of last autumn, Mr. Curtis and I found the follicles of this species in profusion, attached to springs of heath, grass, &c. in the Western Isles. The caterpillars of *Mamestra Pisi* were wandering about the same places, and to them probably the "*Eruca viridis lineolis albicantibus*" of Ray should be referred. Two species of *Hemiteles*, and one of *Pezomachus*, were produced in abundance out of these follicles, along with the *Microgaster*.

thorax anticè abdominisque segmentorum suturæ fusca: alæ subhyalinæ, basi et ad costam obscurè fuscæ. (Corp. long. $4\frac{1}{2}$ —5 lin.; alar. 12—13 lin.)

TIPULA.—*Linné.*

T. ramicornis. Mas et Fem. *Ad formam non hactenus decretam pertinens, Europæ Tipulis antennis pectinatis et alarum nervis aliter ad apices collocatis discrepans.*

Mas.—Ferruginea, lævis, ferè glabra: oculi nigro-fusci: os utrinque et subtus fuscum: palpi nigro-fusci: antennæ flavæ, thorace et capite paullò longiores, apice fuscæ, ramulis ornatae intus 7 extus 14 nigris sat longis: mesothorax anticè fuscus et ferrugineo bivittatus, utrinque fusco maculatus: abdomen supra et subtus nigro vittatum; segmenta basale et apicale omninò ferruginea: pedes ferruginei, longi, graciles, pubescentes; femora apice nigra; tibiæ obscurè ferrugineæ, apice fuscæ; tarsi fusci: alæ hyalinæ, basi et ad costam fuscæ maculis 4 parvis subrotundis hyalinis; margo posticus griseus; nervi discoidales fusco limbati: halteres ferruginei, apice pallidè fusci.

Fem.—*Mari* similis; abdomen longius; antennæ breviores, ramulis intus 7 extus 8 ornatae brevissimis: abdomen apice et oviductus rufa. (Corp. long. 8—11 lin.; alar. 14—17 lin.)

LIMNOBIA.—*Meigen.*

L. vicaria. Fem. *Limnobiæ geniculatæ simillima, at pedibus omninò pallidis.*

Fusca, obscura: caput fulvo-fuscum, angustum: oculi obscurè fusci: antennæ fuscæ, capite paullò longiores: thorax subtus et posticè fulvus: abdomen obscurè fuscum, longum, gracile: oviductus rufus, nitidus: pedes pallidè fulvi, longi, graciles; femora ferè omnia tibiæ que basi et apice pallidè fusca; tarsi apice et ungues nigri: alæ subhyalinæ, iridescentes; costa fusca, basi pallidior, maculis plurimis subhyalinis; sub costam maculæ 4 majores subfuscæ; squamulæ et nervi fusca; nervi omnes longitudinales punctis fuscis ornati; nervulus transversus discoidalis fusco limbatus; halteres pallidè fulvi, apice fusci. (Corp. long. 7 lin.; alar. 10 lin.)

CTENOPHORA.—*Meigen.*

C. vilis. Mas. *Europæ Ctenophoris abdomine plano, alienaque ad alarum apices nervorum structura discrepans.*

Fusca, obscura: oculi nigri: palpi fusci, basi ferruginei: antennæ fuscæ, basi ferrugineæ, capite thoraceque paullò longiores, intus

ramulis 15 sat longis ornatae: thorax supra griseo bivittatus, subtus pallidior: abdomen obscure fuscum, planum, sublineare, apice latius; segmentorum suturae maculae que laterales ferrugineae: pedes ferruginei, pubescentes; femora apice nigra; genua ferruginea; tibiae fuscae; tarsi fusci, apice nigri: alae subfuscae, maculis duabus costalibus fuscis, una costae medio parva subrotunda, altera ad apicem propior major in discum producta; squamulae et nervi fusca: halteres flavi, apice nigri. (Corp. long. 5 lin.; alar. $9\frac{1}{2}$ lin.)

C. bella. Fem. *Præcedentis structura.*

Atra, obscura: antennae thorace paullo breviores, ramulis plurimis brevissimis ornatae: mesothorax supra vittis 3 griseo-fulvis, utrinque macula magna concolore: abdomen aureum, basi angustius, apice acuminatum; segmentum 1^{um}. nigrum; 5^{um}. apice nigrum; 6^{um}. et 7^{um}. nigra, basi aurea: oviductus rufus: pedes nigri, pubescentes; femora aurea, apice nigra; tibiae aureo fasciatae: alae subflavae, basi flavae, maculis plurimis nigris vittas 3 irregulares quarum basalem et mediam connexas fingentibus; discus hyalinus; margo posticus et apex grisei; squamulae nigrae; nervi fusci, basi et nonnulli omnino flavi: halteres nigri. (Corp. long. 5 lin.; alar. 9 lin.)

BIBIO.—*Geoffroy.*

B. imitator. Mas et Fem. *Niger* (mas) *aut rufus* (fem.), *pedibus nigris, alis fuscescentibus.* Obs. B. hortulano *simillimus sed halteres pallidi fem.que corpus omnino rufum.*

Mas.—Niger, nitidus, pilis fulvis hirtus: caput thoracis latitudine: oculi rufi, maximi, supra connexi: ocelli approximati: antennae capite breviores: abdomen sublineare, parum nitens: pedes nigri, pubescentes; pulvilli pallidi: alae subfuscae, iridescentes; costa fusca, basi fulva, macula anteapicalis obscurior; squamulae, nervi et halteres fulva.

Fem.—Rufus, nitidus, laevis, immaculatus, lanugine fulva vestitus: caput parvum angustum: oculi, ocelli, os et antennae nigra: abdomen parum nitens, apice angustius: pedes nigri, nitidi, lanugine nigra vestiti; coxae et genua rufa; tarsi basi rufi; pulvilli pallidi: alae fuscae; costa obscurior, basi fulva; nervi fusci, basi fulvi; squamulae et halteres fulva. (Corp. long. $3-3\frac{3}{4}$ lin.; alar. 5—7 lin.)

PSILOPUS.—*Meigen.*

P. cingulipes. Mas. *Cyaneo-iridis, pedibus nigris fulvo cinctis, alis griseo-hyalinis.*

Viridis, nitens, pilis supra sparsis nigris subtus albis hirtus: caput cyaneo-iride, prope os cyaneum et argenteo micans: oculi rufi: antennæ nigræ; articuli 1^o. ad 3^{um}. brevissimi; 4^{us}. gracillimus, capite duplo longior: thorax subtus argentens; mesothorax posticè cyaneus: abdomen cylindricum, thorace ferè triplo longius, apice angustum; segmenta basi apiceque ænea: sexualia fulva: pedes nigri lanugine nigra vestiti, basi pilis albis hirti; coxæ argenteo micantes; femora apice, protibiæ et mesotibiæ fulva; metatibiæ obscurè fuscæ, basi fulvæ: alæ griseo-hyalinæ, iridescentes; squamulæ et nervi fusca; nervi transversi valdè arcuati; halteres fulvi, apice fuscii. (Corp. long. 3 $\frac{3}{4}$ lin.; alar. 6 $\frac{1}{2}$ lin.)

P. tricolor. Mas. *Cyaneus, abdomine viridi apice cupreo-æneo, pedibus nigris, alis griseo-hyalinis.*

Cyaneus, nitens, brevis, latus, pilis nigris sparsis hirtus: caput viridi-cyaneum: os nigrum: oculi rufi: antennæ nigræ; articuli 1^o. ad 3^{um}. brevissimi; 4^{us}. gracillimus, capite duplo longior: abdomen viride, apice cupro-æneum, subtus pilis albis hirtum: sexualia nigra: pedes nigri; coxæ et femora viridia: alæ griseo-hyalinæ, iridescentes; squamulæ et nervi fusca; nervus transversus basalis rectus, apicalis valdè arcuatus: halteres nigri. (Corp. long. 2 $\frac{1}{2}$ lin.; alar. 4 $\frac{1}{4}$ lin.)

P. connexus. Fem. *Cyaneo-iridis, pedibus flavis, alis hyalinis fusco bifasciatis.*

Viridis, nitens, pilis nigris sparsis hirtus: caput argenteum, supra cyaneum: os flavum: oculi rufi: antennæ nigræ; articuli 1^o. ad 3^{um}. breves; 4^{us}. gracillimus, capite ferè duplo longior: thorax viridi-cyaneus, subtus albo pubescens, utrinque æneo maculatus: abdomen basi et apice cyaneo-iride; segmenta basi et apice cuprea: pedes flavi, setis nonnullis nigris armati; coxæ nigræ; meso- et metatarsi nigri, illi basi fuscii; protarsi obscurè fuscii, basi fulvi: alæ hyalinæ, iridescentes, ad costam fulvescentes, fasciis duabus latis anticè connexis posticè abbreviatis fuscis; squamulæ fulvæ; nervi fuscii; nervus transversus basalis ferè rectus, apicalis valdè arcuatus: halteres flavi. (Corp. long. 2 $\frac{1}{2}$ lin.; alar. 4 $\frac{1}{4}$ lin.)

THEREVA.—*Latreille.*

T. misella. Mas. *Argenteo-fusca, abdomine subtus antennis pedibusque fulvis, alis subhyalinis.*

Obscurè fusca, pilosa : oculi nigro-rufi : ocelli nigri : os fulvum, capitis longitudine : antennæ fulvæ, apice fuscæ : abdomen argenteo micans, apice et subtus fulvum ; segmenta apice flava : pedes fulvi ; tibiæ spinis nonnullis brevissimis nigris armatæ ; tarsi apice obscuriores : alæ subhyalinæ, iridescentes, ad costam fulvescentes ; squamulæ fulvæ ; nervi fusci ; nervi transversifusco sublimbati : halteres fulvi. (Corp. long. $2\frac{1}{2}$ lin. ; alar. $4\frac{1}{2}$ lin.)

BRACHYOPA.—*Hoffmansegg.*

B. rufo-cyanea. Mas. *Rufo-cyanea, antennis fulvis, pedibus rufo-fuscis, alis fulvescentibus.*

Nitens, pilosa : caput et thorax rufa, minimè cyanescentia, illum ad antennarum insertionem supra fulvum : antennæ fulvæ ; articulus 4^{us}. obscurior : os rufum : oculi nigro-ænei : thoracis discus supra æneo-fuscus : abdomen rufo-cyaneum, subtus cyaneum, lanugine medio utrinque et apice omninò pallida vestitum : pedes obscurè rufi, pilosi ; femora supra et metapedum femora tibiæ que omninò fusca ; ungues nigri ; pulvilli pallidè rufi : alæ subfulvescentes, iridescentes, ad costam fulvæ ; squamulæ nigro-fuscæ ; nervi fusci, basi fulvi ; squamæ sordidè albidæ : halteres obscurè fusci. (Corp. long. 5 lin. ; alar. 10 lin.)

HELOPHILUS.—*Meigen.*

H. griseus. Fem. *Niger, antennis rufis, abdomine subtus fusco, alis griseis.*

Niger, subtilissimè punctatus, parùm nitens, lanugine cana tectus : hypostoma fulvum : antennæ rufæ ; articulus 4^{us}. niger : oculi nigro-fusci : scutellum ferè glabrum : abdomen subtus fuscum ; segmenta basi utrinque albo pilosa : pedes nigri, subtilissimè punctati, pilis nigris et griseis vestiti ; tarsi subtus lanugine rufa tecti ; pulvilli fulvi : alæ griseæ, iridescentes, ad costam fusco inter nervos secundarium et auxiliarem maculatæ ; squamulæ et nervi nigro-fusca ; squamæ sordidè albæ : halteres rufi, apice fusci. (Corp. long. 4 lin. ; alar. 7 lin.)

ANTHRAX.—*Fabricius*.

A. extensa. Mas. *A. præargentatæ aspectu, obscurè fusca, pedibus alisque concoloribus.*

Obscurè fusca, pubescens, subtus fulva: caput posticè albidum, pilis supra nigris anticè fulvis hirtum: oculi rufo-ænei: os et antennæ nigra: thoracis abdominisque latera pilis fulvis hirta, hoc quoque apicem versus et ille utrinque ante alas-pilis nigris hirta: pedes nigro-fusci, pubescentes; tarsi nigri: alæ longæ, angustæ, obscurè fuscæ, posticè et apice dilutiores, anticè et basi ferrugineæ; squamulæ nigræ; nervi ferruginei, nonnulli nigri: halteres fulvi, ante apices fusco cingulati. (Corp. long. $5\frac{1}{2}$ lin.; alar. $13\frac{1}{2}$ lin.)

ART. XLIV.—*Transactions of the Entomological Society of London. Vol. I. Part I. Seven Plates, Sixty-six Pages, and an Appendix.* London: Longman and Co. 1834.

THE first number of the Transactions of this thriving Society has at length appeared, and contains papers by Messrs. Spence, W. B. Spence, Hope, Lewis, Waterhouse, Westwood, W. Christy jun., G. R. Gray, Shuckard, and Saunders: the whole of these are valuable papers, and we think the Publishing Committee have exercised great judgment in the selection. Mr. Spence's paper is one of considerable interest,—we have already given an outline of it,—but those by Messrs. Shuckard and Waterhouse are of high entomological importance; we should be proud to have them in our own pages.

We rather regret that the Society has thought it necessary to preface these Transactions with an attack upon ourselves, indicative throughout of hostility. We do not pretend that we were unacquainted with the existence of this feeling towards us, but *we* had no hostile feeling, and we determined not to see it in others. We hoped that our labours in behalf of the Society would compel our enemies, in common decency, to treat us with *ostensible* good will; and now, even now, we will not abandon a society because at present governed by our foes,—it may be governed by our friends,—and the majority, nine out of every ten, disapprove of this attack. This introductory portion of the work is divided into two parts; the principal object of the first part is to combat Mr. Swainson's masterly and unanswer-